Reliability Engineering and System Safety **43** (1994) 335–336

Contents of Volume 43

Number 1

1 Bayesian Analysis of Consistent Paired Comparisons
U. PULKKINEN (Finland)

17 A Frequency and Knowledge Tree/Causality Diagram Based Expert System Approach for Fault Diagnosis
Q. ZHANG (People's Republic of China)

29 Optimal Control Limit for Degradation Process of a Unit Modelled as a Markov Chain
V. A. KOPNOV & E. I. KANAJEV (Russia)

37 On Partial Orderings and Testing of New Better than Renewal Used Classes
A. M. ABOUAMMOH, S. A. ABDULGHANI (Saudi Arabia) & I. S. QAMBER (Bahrain)

43 Risk Assessment for Dynamic Systems: An Overview
N. SIU (USA)

75 Bayesian Reliability Analysis with Imprecise Prior Probabilities
F. P. A. COOLEN & M. J. NEWBY (Netherlands)

87 Quality Assessment of Software Prototypes
R. LINDERMEIER (Germany)

95 Book review

99 Calendar

Number 2

101 Guest Editorial
T. ANDERSON, R. BLOOMFIELD, B. LITTLEWOOD & B. MALCOLM (UK)

103 Software Diversity
U. VOGES (Germany)

111 Support for Safety Cases and Safety Arguments using SAM
J. A. McDERMID (UK)

129 The Role of Formal Methods in Achieving Dependable Software
M. THOMAS (UK)

135 Standards for Safety Related Computer Systems
R. E. BLOOMFIELD (UK)

143 The Ontario Hydro/AECL Approach to Real-time Software Engineering Standards
P. K. JOANNOU, J. HARAUZ & D. R. TREMAINE & N. ICHIYEN (Canada)

151 Interim Def Stan 00–56: Hazard Analysis and Safety Classification of the Computer and Programmable Electronic System Elements of Defence Equipment
P. K. D. FROOME (UK)

159 SCOPE Methodology for Safety
B. DE NEUMANN (UK)

169 Considerations on Current Research Issues in Software Safety
L. STRIGINI (Italy)

181 Critical System Properties: Survey and Taxonomy
J. RUSHBY (USA)

Reliability Engineering and System Safety (**43**) (1994)—© 1994 Elsevier Science Limited, England.

213 Centre for Software Reliability
H. TRIER (UK)

225 The UK Safety Critical Systems Research Programme
B. MALCOLM (UK)

237 Calendar

Number 3

247 A Classification Rule Arising from Accelerated Life Test
S.-T. TSENG & C.-H. CHYAU (Taiwan)

257 A Note on Families of Fragility Curves — Is the Composite Curve Equivalent to the Mean Curve?
S. KAPLAN, V. M. BIER & D. C. BLEY (USA)

263 An Algorithm in Order to Implement Reliability Exponential Approximations
J. L. BON & J. COLLET (France)

269 A Model of Storage Reliability with Possible Initial Failures
M. ZHAO (Sweden) & M. XIE (Singapore)

275 Inspection Strategy in Fault Diagnosis with Unequal Effort
N. SAQIB & S. ISHAQUE (Pakistan)

281 Development of an Emergency Operation Supporting System for Nuclear Power Plants
J.-E. YANG, K.-S. JEONG & C. K. PARK (South Korea)

289 The Theory and Quantification of Common Cause Shock Events for Redundant Standby Systems
J. K. VAURIO (Finland)

307 PRA Importance Measures for Maintenance Prioritization Applications
W. E. VESELY, M. BELHADJ & J. T. REZOS (USA)

319 Revised Miner's Rule and Its Application in Calculating Equivalent Loads for Components
Y. S. SUN (Singapore)

325 Built-in Test factors in a Life Cycle Cost Model
Z. F. LANSDOWNE (USA)

331 Book review

333 Calendar